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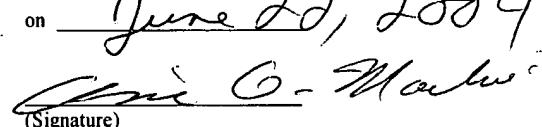
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Brad Bosworth and Peter Vögeli)
Serial No.: 09/844,268)
Attorney Docket No. 21419/91513)
Filing Date: April 27, 2001)
Title: COMPOSITIONS TO IDENTIFY SWINE)
GENETICALLY RESISTANT TO F18 E. COLI)
ASSOCIATED DISEASES)

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail No. EL 9900038236 US in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on June 22, 2004


(Signature)

Alice O. Martin
(Printed Name)

AMENDMENT AND RESPONSE TO OFFICE ACTION MAILED MARCH 22, 2004

Mail Stop Non-Fee Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

JUN 30 2004

Dear Sir:

TECH CENTER 1600/2900

In response to the Office Action mailed on March 22, 2004, applicants' request that the following amendments are entered and the following remarks are considered.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.